# Press Release

**Precise measurement, individual programming: AlphaProx inductive distance sensors with IO-Link interface**

(11/23/2018) The new distance measuring inductive sensors AlphaProx with IO-Link interface from Baumer offer more than precise measurement technology. In addition to micrometer-precise distance values, two switching points, counter values, switching frequency and comprehensive diagnostic data are directly available for evaluation.

Extended parameter options with IO-Link allow the sensors to be optimally configured to each application.

**Individual programming and data evaluation**

In addition to the scaling of the distance characteristic (real distance vs. measured value output), the switching points and the counter function, various modes such as high-speed and high-accuracy as well as time filters for fast or precise applications can be set individually via IO-Link. The offset caused by the installation can be easily compensated. IO-Link enables simple plug & play sensor replacement without the need to manually adjust any settings.

AlphaProx sensors with IO-Link can solve very different tasks, such as position measurement of gripper jaws, batch size counting, control and monitoring of belt tensions or the flexible control of vibration conveyors by means of frequency and stroke measurement.

In addition to solving the primary application, the simple evaluation of secondary data, such as temperature, supply voltage, operating time or switching cycles, allows for predictive maintenance and thus optimum machine availability.

The new AlphaProx distance measuring inductive sensors with IO-Link are available in cylindrical design in sizes from Ø6.5 mm to M30. The sensors have a scalable, linear characteristic curve, which guarantees simple control integration thanks to a measured value proportional to the distance. They detect objects and measure distances over large measuring ranges of up to 18 mm. Minimal temperature drift and insignificant variance in production lots guarantees maximum process reliability.

Further information: www.baumer.com/inductive-IO-Link

Photo: AlphaProx inductive distance sensors with IO-Link enable precise measurements with extended functionality and comprehensive diagnostic data

Number of characters (with spaces): approx. 2035

Text and picture download at: [**www.baumer.com/press**](http://www.baumer.com/press)

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